GOVERNMENT OF INDIA.

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PROGRESS REPORT

OF

FOREST ADMINISTRATION

IN THE

PROVINCE OF OUDH,

1866-67.

By F. READ, Esq.,
CONSERVATOR OF FORESTS, OUDH.

WITH THE REVIEW OF THE REPORT BY THE CHIEF COMMISSIONER,
AND
ORDERS THEREON OF THE GOVERNMENT OF INDIA.

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PROGRESS REPORT

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1866-67.

By F. READ, Esq.,

CONSERVATOR OF FORESTS, OUDH.

REVIEW BY THE CHIEF COMMISSIONER.

No. 1710, dated 3rd October, 1867.

From—CAPTAIN A. M. LANG, R. E., *Offg. Secy. to the Chief Commissioner of Oudh, in the P. W. Dept.*,

To—*Secretary to the Government of India, P. W. Dept.*

I have the honor, by direction of the Chief Commissioner, to forward the Annual Progress Report of the Oudh Forests for the year 1866-67, accompanied by a Review of the same by Chief Commissioner.

The Progress Report of the Oudh Forests for 1866-67 was prepared by the Conservator, Mr. Read, after making over the charge of the forests to Captain Wood on the 20th April last; the elaboration of the accounts, however, was left by him to his successor.

It has been prepared in accordance with the Annual Progress Reports of previous years, and the headings under which it has been written are not those laid down in Forest Department Standing Order No. 2 of 8th October 1866.

As, however, Mr. Read is now on leave, and as the Report has been submitted too late to admit of its return for revision, it is forwarded to the Government of India as originally prepared.

In reviewing it, however, the headings prescribed by Government of India in the Circular above-quoted are followed.

I.—INSPECTION OF FORESTS.

The inspections of the Conservator of Forests were confined principally to the 1st and 2nd Divisions, and in these divisions the boundaries were re-demarcated during the year under review. The objects of this re-demarcation were explained in letter No. 641 of the 5th June, from the Secretary to Chief Commissioner, Department Public Works, to Government of India; and with that letter were forwarded copies of the rules laid down by the Chief Commissioner for "demarcating boundaries of villages near Reserved forests" and

for "Special Fuel Allotments for villages bordering on Forests." Copies of the first-named rules are incorporated in the Conservator's Progress Report; and in accordance with them, all the villages enclosed in, or bordering on, the 1st and 2nd Divisions of the forests, have been demarcated; andthe forest limits have been extended so as to embrace the enclosed grassy plains and bordering tracts of waste up to the new boundaries of the villages. A new map of the 1st Oudh Forest Division has been prepared, and is about to be issued in supersession of the original map prepared by the Revenue Survey Department, and it is hoped that shortly a revised map of the 2nd Division also will be ready. The proposed rules for fuel allotments are to be tentative only at first; and as yet no allotments have been demarcated.

The Conservator inspected also some "Waste Lands" south of the Sardah river, which he proposed to retain as "Government Fuel Reserves." This question has been, however, reserved for further report and consideration during the next working season.

II.—Reserves.

No further remarks seem necessary under this heading beyond those above made. The whole of the forests under charge of the Conservator in this Province are strictly "Reserved," and under the arrangements now instituted and proposed, it is hoped that stricter conservation will be possible, and damage from fires, cattle grazing, and promiscuous fuel cutting, will be reduced to a minimum.

III.—Plantations.

No expenditure has been incurred in the year under review on plantations.

IV.—Yield of the Forests.

An annual felling of 4,000 trees was the limit fixed by Dr. Brandis when inspecting these forests in 1863. It has not, however, been found expedient to cut timber to this extent, as the Nepalese, from their contiguous and far more extensive forests, have been able to under-sell the Forest Department, and thus command the market. The influence, however, of the Government Forest Department has been felt in maintaining a salutary check on the Nepalese rates, and ensuring a good supply of Sâl timber at a fair rate for purchasers in British Territory, and more particularly for the Government Public Works and other Departments.

During 1866-67 no timber was felled in the Oudh Government Forests by the Forest Department; 650 trees were, however, felled and removed by purchasers.

On the 1st May 1866 there were lying in the forests (of the 1st Division) 6,296 logs; of which only 5,559 were remaining on the 1st April 1867; 382 logs having been removed by the Forest Department, and 355 by purchasers. In addition to the trees lying in the Forests, there were on the 1st April last Sâl logs and sleepers, and Sissoo planks at the Sardah depôts valued at Rs. 8,661-9-8.

The value also of the miscellaneous and minor Forest produce was increased during 1866-67, the leases having amounted to Rs. 21,921 in that year, as compared with Rs. 20,212 in 1865-66.

Under a system of direct collections, considerable increase of revenue under this head is anticipated.

V.—Financial Results.

The financial results of 1866-67 may be thus summarized:—

		Rs.	As.	P.
Receipts.	From sale of Timber of all kinds	1,56,351	0	2
	„ Minor and Miscellaneous Forest produce, grazing dues &c., ...	41,271	15	1
	Refunds	3,623	9	8
	Total	2,01,246	8	11
Expenditure	... ...	59,572	1	8
	which shows a profit of	1,41,674	7	3

This, however, must be reduced by the depreciation in value of stock during the year; this was reduced from Rs. 68,294-15-11 on 1st May 1866, to Rs. 8,661-9-8 on 1st April 1867.

Deducting the difference therefore (Rs. 59,633-6-3) from the above assumed profit, it appears that the net annual profit amounted to Rs. 82,040-12-0.

This shows a very satisfactory result, and is considerably in excess of the profits of 1865-66 and previous years.

In para. 25 of Dr. Cleghorn's Memo. on Oudh Forests, dated 30th January last, the balance in favor of the Oudh Forest Department from commencement of operations in 1861 up to the 30th April 1866, was shown to be Rs. 1,06,029.

Assuming these figures to be correct, and adding to them the net profit of 1866-67; the balance in favour of Government would have been on the 1st April last Rs. 1,88,069-12-0 from the operations of the Oudh Forest Department.

In addition to the profits above shown, there is an amount of Rs. 23,551-3-2, due from Contractors; but owing to the delay and uncertainty in recovering these sums, it has been considered more satisfactory to omit them from the credit side of the account. It may, however, be remarked that the amount of outstandings due has been reduced from Rs. 28,208 on 1st May 1866, to Rs. 23,551 on 1st April 1867. The importance of adjusting these accounts speedily has been impressed on the Conservator.

VI.—General Remarks.

In addition to the points already noticed, it is necessary to advert briefly to but three other subjects connected with these Forests—

(1.) The eradication of the destructive creeper "Argyreia Speciosa" from the Sâl tracts of the 1st Division has been carried on during the year under review, and with more satisfactory results as regards economy of execution; 23,554 acres were cleared at a cost of Rs. 2,358-14-7, giving a rate of about 11 pie per acre, or Rs. 36-14-6 per mile.

The rate in the previous year had been 4 annas per acre. The rate originally assumed by Dr. Brandis in 1863, *viz.*, 10 to 20 Rs. per mile, would appear to be too low, (for the Sâl forest of the 1st Division at least.)

(2.) The "Kulkan" bridge-of-boats over the Sardah brought in an income, for the 11 months of 1866-67, of Rs. 1,857; and the opening out of Forest roads converging on this bridge, will, it is anticipated, considerably increase the receipts. These roads are now under construction, and will aid in the export of rice and timber from Nepal. The Conservator explains that the receipts in past years were considerably diminished by the prohibition of all export of rice and of all timber felling in the Nepal Forests during Sir Jung Bahadoor's sporting tour in Kunchanpoor.

(3.) The question of increasing the Establishments of these forests has been brought before the Government of India by the Chief Commissioner, and proposals to appoint a second Assistant Conservator and a Forest Overseer have been forwarded for the consideration of the Financial Department. The profitable working of these forests reflects much credit on Mr. Read's management; but these forests will not have full justice done to them until the means of more close and intelligent supervision are increased. It may be pointed out that the Forest Overseer was entertained as a temporary establishment by the Conservator during the working season, and the increased profits of the past year may be assumed as partly due to the increased supervision thus provided. It is hoped that when the next working season commences, each of the three Divisions may be under the charge of an European Officer, and that at the close of the current year the profits may be largely increased.

A. M. LANG, *Captain, R. E.,*
Offg. Secy. to Chief Commr., Oudh,
D. P. W.

LUCKNOW; *August*, 1867.

CONSERVATOR'S REPORT.

Annual Report on the Management and Conservancy of the Oudh Forests for the Financial year 1866-67.

GENERAL REMARKS.

The usual headings will be retained in this Report, *viz.* :—

I.—Survey.
II.—Conservancy.
III.—Timber Operations.
IV.—Financial results of Financial year 1866-67.
V.—Financial results of the year ending 1866-67.
VI.—Future Conservancy.
VII.—Future Timber Operations.
VIII.—Future Income.
IX.—Establishments.
X.—Accounts.

I.—SURVEY.

The operations connected with re-defining the Forest limits have been carried out in conjunction with the Assistant Superintendent of Settlement and Survey, and have resulted in the entire re-adjustment of the Forest boundaries. The suggestions made in my Annual Report for 1865-66, under the head of Surveys, having been approved of by the Chief Commissioner, the following rules were framed for the guidance of the Officers entrusted with the work :—

Rules for demarcation of Boundaries of Villages in the vicinity of Reserved forests.

I.—"No. 3 of the Rules for the sale of waste land, published under Orders of the Government of India, No. 15, dated 10th January, 1865, which provides that there shall be allotted to each village bordering upon unassessed waste land, an extent of waste equal to its own area, will only be carried out when this is possible without encroachment upon forest or other unassessed waste land that has been reserved by the Government. In cases in which, under this rule, a village cannot receive the full amount of waste contemplated by No. 3 of the rules for the sale of waste land, such village will not be entitled to receive in lieu thereof any allotment of waste land in any other quarter.

II.—If, after an allotment of waste has been made to a village under No. 3 of the Rules for the sale of waste land, the boundary of such village does not meet the boundary of the forest or other unassessed waste reserved by the Government, a belt of waste land, not ordinarily exceeding one mile in breadth, will be retained by the Government between the boundaries of such village and such reserved tract, whenever this course may appear desirable for the protection of such tract.

III.—No portion of any forest or other unassessed waste that has been reserved by the Government will be demarcated as lying within the boundaries of any village. In any case in which it shall appear that any village has encroached upon such reserved tract, by bringing portions thereof under cultivation or otherwise, a full report, showing the nature of such encroachment, and the circumstances under which it took place, will be submitted, through the usual channel, for the orders of the Chief Commissioner.

In accordance with the above rules, the 1st and 2nd Divisions of the forests, comprised within the Districts of Mohumdee and Baraich, have been re-defined, and the 3rd Division, in the Gonda District, will be similarly dealt with during the ensuing working season.

By these arrangements, the future prospects of the forests have been very materially improved, but to secure these advantages, it will be necessary to construct permanent masonry boundary pillars, at prominent angles, where they can easily be observed by the cultivators and others. These marks will be used as closing points by the Revenue Surveyor, who will show their exact position in his maps. The cost of these boundary pillars will have to be provided for in the Regular Budget for 1868-69.

No bill has as yet been submitted by the Superintendent of Settlement and Survey, for cost of demarcating the boundaries of villages marching with the Forest limits, half of which will have to be borne by the proprietors of the villages, and half by this Department, but the expense will, I am informed, be well within the amount sanctioned in the Budget for 1867-68.

II.—Conservancy.

The following Statement will show the monthly expenditure on cutting of creepers during the year under review :—

Statement of monthly expenditure incurred on Creeper-cutting operations during 1866-67.

Month.		Amount.			Total.		
		Rs.	As.	P.	Rs.	As.	P.
June	1866	6	0	0			
November	„	259	5	4			
December	„	140	0	0			
January	1867	260	9	0			
February	„	987	8	3			
March	„	705	8	0			
	Grand Total ...	2,358	14	7	2,358	14	7

List of Tracts cleared of Creepers during 1866-67.

No. of Sheet.	No. in Forest Map.	Name of Forest.	Area. Acres 1/10 1/100.			Remaining Uncut. Acres 1/10 1/100.			Remarks.	
			Rs.	As.	P.	Rs.	As.	P.	1st Division.	
4	46	Sulookapoor	5,482	6	0	0	0	0		Acres.
4	45	Kussoomba	6,393	0	0	1,920	0	0	Total area, Sál ...	1,81,189
2	23	Juggut sár	158	9	0	0	0	0	Bojhees	1,885
										1,83,074
1	1	Mohan	11,520	0	0	8,099	9	0	Total cleared ...	58,923
			23,554	5	0	10,019	9	0	Uncleared	1,24,151

By the above Statements, the average rate for eradicating creepers in the localities specified is Rs. 0-11·07 per acre; or Rs. 36-14-6 per square mile.

The following Statement will shew the total area cleared from commencement of operations, and total cost of clearing:—

Statement of Expenditure incurred in Creeper-cutting from commencement of operations to close of 1866-67.

Period.	Acres cleared.	Expenditure.	Remarks.
		Rs. As. P.	
1864-65 ...	735,368 6 0	746 0 0	Exclusive of Rs. 1,000 advanced on account of cutting creepers in the 2nd and 3rd Divisions.
1865-66 ...		8,260 9 1	
1866-67 ...	23,554 5 0	1,358 14 7	
Total ...	58,923 1 0	10,365 7 8	

The above gives a rate of Rs. 0-2-9·7 per acre, or Rs. 112-8-8 per square mile.

This destructive plant is far more plentiful in the Western forests, and I am of opinion that when the whole of the Eastern tracts are cleared, the average cost, per square mile will not far exceed the amount named by Dr. Brandis in the 66th para. of his Report on the Oudh Forests, dated 10th June 1863.

III.—Timber Operations.

No logs have been cut during the period under review, but the following statement will shew the number of logs lying in the forests at the commencement of 1866-67, the number removed, and the number still remaining in the forests:—

Statement shewing the number of logs remaining in the different Forest tracts comprised within the 1st Division on the 1st April, 1867.

Names of Forest tracts.	Logs lying in Forest on 1st May 1866.	Removed during 1866-67.	Remaining on 1st April 1867.	Remarks.
Bell Ghat	617	...	617	
Newul Khar	1,360	637	723	
Phoolburea	1,210	100	1,110	
Bunkutee	688	...	688	Removed by purchasers ... 355
Majhlee	464	...	464	
Poulaha	601	...	601	Removed by Forest agency ... 382
Gwalee Gowree	271	...	271	
Bugueea Tall	322	...	322	
Keerutpoor	313	...	313	
Newra Nulla	50	...	50	Total ... 737
Bugai	400	...	400	
Total ...	6,296	737	5,559	

The average cubic contents of these logs may be taken at 50 cubic feet, thereby giving a total of 277,950 cubic feet of felled timber remaining in the forests on 1st of April 1867, irrespective of old logs.

The following Statement will shew the value of Timber removed by purchasers.

Description.	No.	Cubic contents.	Rate per Cubic foot.	Amount.	Remarks.
Sâl Logs	100	8,000	1 0 0 per *c.ft.*	8,000 0 0	Cr. in 1866-67 being less carriage Rs. 2,235 8 9
Do. do	208	11,379	0 8 0 do.	3,354 3 3	
5-yard Kurries ...	3,312	...	15 0 0 do. score	2,484 0 0	
212 double do. ...	212	...	30 0 0 do.	301 8 0	Cr. in 1867-68.
4-yards do., 5″ × 4″ ...	1,113	...	7 8 0 do.	417 6 0	
Do. double 10 ft. 10″ × 5″	225	...	17 8 0 do.	196 14 0	
Do. single 10 ft. 5″ × 5″	122	...	8 12 0 do.	53 6 0	
			Total	14,807 5 3	

The following will shew the value of Stock on the 1st April 1867.

No. of Logs.	On 1st April, 1867. Stock at	Cubic feet.	Rate per Cubic foot.	Departmental Value.	Remarks.
			R. As. P.	Rs. As. P.	Stock has been valued at 8 as. ₰ c. ft. at Sardah depôt plus actual carriage to place of delivery *viz.*, ... Rs. 79,941-4-0 but the Stock on transit has been sold for delivery at Cawnpore @ 1-8₰ cft. the remainder of the carriage to be paid, amounting to Rs. 8,989, must be deducted 8,989-6-4
					70,951-13-8
					as also the value of Stock in transit, *viz.*, 64,031-4-0
597	Sardah depôt ...	29,350	0 8 0	14,675 0 0	
49	Kujooria	2,450	0 8 0	1,225 0 0	
431	Bareilly depôt ...	21,750	0 14 0	19,031 4 0	
520	Koorai ghaut ...	26,000	0 11 0	17,875 0 0	
550	Shahjehanpoor ...	27,500	0 12 0	20,625 0 0	
163	Cawnpore	8,000	0 13 0	6,500 0 0	leaving a balance of Rs. 6,920-9-8 or in other words the value of Stock is Rs. 15,900 for 646 logs at the Sardah depôts, with a debit of Rs. 8,989-6-4 to carry the rest of the logs to Cawnpore, making the Stock in credit Rs. 6,920 9 8. To this again must be added Rs. 1,557-0-0 value of 4,286 Sleepers, and Rs 184, the value of 92 Sissoo planks, making total value of Stock, Rs. 8,661-9-8.
2,310	Total ...	1,15,500		79,941 4 0	

IV.—Financial Results of 1866-67.

Below is a Statement shewing the financial results of the Forest year 1866-67 in the form prescribed by Government :—

OUDH FOREST DEPARTMENT.

Financial Results of the Forest year 1866-67.

1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	
Forest.	Receipts from sale of Timber of all kinds.	Receipts from minor forest produce including grazing dues, &c.	Total receipts.	Disbursement on account of working expenses.	Balance in favor of Government.	Cost of permanent Establishment, Contingencies, and Survey not included in Column 5.	Actual profits.	Excess of expenditure over Total Receipts.	Value of timber of all kinds at average per cubic foot of sale.		REMARKS.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.		
1866-67 ...	1,56,351 0 2	41,271 15 1	1,97,622 15 3 *3,265 9 8 †358 0 0 2,01,246 8 11	38,001 4 3	1,63,245 4 8	21,570 13 5	1,41,674 7 3	Nil ...	8,661 9 8		

* Refunds from Contractor.

† Refund Forest Clerk's pay in Controller's Office.

V.—Financial Results up to the end of 1866-67.

The financial results of the five and a half years since those Forests have been in charge of this Department are given below:—

OUDH FOREST DEPARTMENT.

Financial results from 1st October 1861 to 31st March 1867.

1. Period.	2. Receipts from sale of Timber of all kinds.	3. Receipts from Minor Forest produce including grazing dues.	4. Total Receipts.	5. Disbursements on account of working expenses.	6. Balance in favor of Government.	6A. Balance against Government.	7. Cost of Permanent Establishment not included in Column 5.	8. Actual Profits.	9. Excess of Expenditure over Total Receipts.	10. Value of Timber on hand at average per cub. foot of sale.	11. Remarks.
	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. A. P.	Rs. As. P.	Rs. A. P.	Rs. As. P.	Rs. A. P.	
Forest year, 1st Oct., 1861, to 30th Sept., 1862 ...	0 0 0	4,033 0 0	4,033 0 0	22,250 4 2	0 0 0	18,217 4 2	15,880 12 1	0 0 0	34,098 0 3	16,365 0 0	
Forest year, 1st Oct., 1862, to 30th Sept., 1863 ...	43,559 14 0	15,735 4 1	59,295 2 1	41,125 7 0	18,169 11 1	0 0 0	17,686 9 8	483 1 5	0 0 0	86,093 8 0	
Since realized for 1861-62 and 1862-63	6,978 8 8	24,669 11 11	31,648 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	0 0 0	
End of Forest year 1862-63	50,538 5 0	44,438 0 0	94,976 5 8	63,375 11 2	*31,600 10 6	0 0 0	33,567 5 9	0 0 0	1,966 11 3	86,093 8 0	* Vide Captain Wood's Report Forest year 63-64, Col. VI should be 31,600 not 13,600.
Forest year, 1st Oct., 1863, to 30th Sept., 1864 ...	33.005 0 8	27,592 0 0	60,597 0 10	18,114 5 1	42,482 11 9	0 0 0	20,688 10 3	21,794 1 6	0 0 0	84,122 8 0	
Broken period, 1st Oct., 1864, to 30th April, 1865,	18,152 1 10	3,210 8 10	21,362 9 10	43,130 2 4	0 0 0	21,767 8 6	11,320 1 1	0 0 0	33,087 9 7	0 0 0	Vide Mr. Read's Report.
Financial year 1st May, 1865, to 30th April, 1866.	96,971 7 0	19,003 15 7	1,15,975 7 2	30,239 11 5	85,735 11 9	0 0 0	18,356 6 9	67,379 5 0	0 0 0	68,294 15 11	
Financial year 1st May, 1866, to 31st March, 1867.	1,56,351 0 7 0 0 2	41,271 15 1 *3,265 9 8 †358 0 0	2,01,246 8 11	38,001 4 3	1,63,245 4 8	0 0 0	21,570 13 5	1,41,674 7 3	0 0 0	8,661 9 8	
1st April, 1867, ...	3,55,017 15 3	1,39,140 1 2	4,94,158 0 5	1,92,861 2 3	3,23,064 6 8	21,767 8 6	1,05,503 5 3	2,30,847 13 9	35,054 4 10	8,661 9 8	

* Other receipts
† Refund Forest Clerk's pay in Controller's Office

Col. 4	4,94,158 0 5	Col. 6	3,23,064 6 8	Col. 6-6A	3,01,296 14 2	Col. 8	2,30,847 13 9
„ 5	1,92,861 2 3	„ 6 A	21,767 8 6	„ 7	1,05,503 5 3	„ 9	35,054 4 10
Rs.	3,01,296 14 2	Rs.	3,01,296 14 2	Rs.	1,95,739 8 11	Rs.	1,95,793 8 11

NOTE:

Average on 5½ years.	Rs.
Receipts for Timber	64,548
Receipts, Miscellaneous	22.948
Total Receipts	87,496
Expenditure Conservancy and Working, A ...	35,040
Expenditure Establishments, B	19,011
Total Expenditure	54,051
Profits	33.445

CASH.

	Rs.
Thus in 5½ years the cash profits of the Department are as shown above, *viz.:*	1,95,793 8 11
But in 1865-66 the pay of Forest Clerk in Controller's Office was not charged	720 0 0
Leaving a balance of	1,95,073 8 11

To the sum of Rs. 1,05,073-8-11 is to be added Rs. 23,551-3-2 as Cash Balance in Contractors' hands, thereby making a total of Rs. 2,18,624-12-1 as total surplus revenue on the 1st April 1867.

The total outstanding balance in Contractors' hands, at the commencement of the year, amounted to					Rs.	28,208	9 0
Deduct balances due by Contractors who have died, or who are not forthcoming	Rs.	674	1	2			
Deduct balances due by pauper Contractors,	„	719	7	6			
Deduct amount realized by work, or in cash, during the year	„	3,263	13	2			
						4,657	5 10
					Total ...	23,551	3 2

VI.—Future Conservancy.

The question as to the advisability of allowing villagers to continue entering the forests, to remove unreserved timber for their own domestic purposes, is still under the Chief Commissioner's consideration.

In lieu of this custom, it is proposed to allot to each village in immediate contract with the forest, a portion of jungle sufficiently large to meet their requirements, and thus get rid of the present evil.

Another subject that has come under consideration is, the retention in the hands of the Government of such tracts of waste lands as are well stocked with wood adapted for fuel, for the future requirements of Railways that may be constructed in the Province, and I will here quote portions of a letter addressed by me to the Chief Commissioner of Oudh on the subject:—

"I beg to make the following suggestions for the consideration of the Chief Commissioner respecting the belts of forests situated to the south of the Sardah in the Mohumdee District. Most of these tracts, you are aware, have been portioned out into waste land grants, and made over to parties under the old rules, or in some instances sold under the waste land rules now in force.

2. If, for reasons I shall bring forward, the Chief Commissioner considers that it would be advantageous to the interests of the Province that these valuable belts of forest, so well stocked with fuel, should again become the property of the Government, it appears probable that an opportunity will shortly occur which may not again be afforded.

3. I believe that many of the grantees in the Mohumdee District who, holding their grants under the old rules, have not been able to carry out the provisions of those rules, and not having the means of purchasing the fee-simple of their lands, intend relinquishing them; and further that many parties who have purchased grants of waste lands under existing rules, at the Government Auction sales, intended foregoing their purchases, and consequently such grants will revert to Government. In all such cases I would recommend that grants well stocked with timber should not again be advertized for sale, but retained as fuel compartments for use of the State.

4. In the event of a Railway passing through the Province, the question of fuel will at once arise. In Rohilkund this want has been anticipated by reserving belts of forest adapted for fuel. In the Mohumdee District I am

not aware of any such provision for the future having been made, as nine-tenths of the miscellaneous forest to the south of the Sardah are, I believe, at this moment in the hands of private individuals. It is true that the fuel is there, and will be available when required, but it is very questionable if the conservancy of these fuel tracts will be considered by individuals whose whole object will naturally be to realize as fast as possible, and the day may come when Government will find it necessary to take up land for growing timber for fuel for Railway purposes, as is now the case in other Provinces.

5. This is a subject closely connected with the Forest Department, and if the Chief Commissioner is of opinion that it is desirable to make some provision for the future requirements of the Province with respect to fuel for Railways, and to retain such forest grants as may, for reasons above given, revert to Government, I would suggest that the Deputy Commissioner of Mohumdee should at once be asked to furnish a list of waste land grants now in the hands of Government in his district. These grants to be visited by the Conservator of Forests personally, and after inspection, he will determine which grants ought to be retained. Such grants of waste lands as may in future revert to Government might in like manner be dealt with. The Conservator of Forests to forward a report to the Chief Commissioner on each grant, and reasons for his recommending its retention in the hands of Government. All such forests as the Chief Commissioner may finally determine on reserving might, with advantage, be made over to the Forest Department.

6. It is for the Chief Commissioner to consider whether it would not be advisable to carry out this project in the Baraich and Gonda, as well as in the Mohumdee Districts."

The preliminary steps have been taken with a view of carrying out this proposition, and it is probable that during the ensuing working season, arrangements will be finally completed for including within the Government forests many of the valuable "Fuel Reserves" mentioned in the above letter.

VII.—Future Timber Operations.

Owing to the enhanced price realized by sales of Sâl timber at Cawnpoor, during the year, the surplus income from the forests has been larger than anticipated, and if the depôts established at Cawnpoor and Bareilly are well supplied, the same results will again occur. This will enable us to economize our resources, as only half the number of trees need be felled. Hitherto our timber has been sold at the Sardah Depôt for 8 annas per cubic foot, the cost of transit being 4 annas, thereby leaving a profit of 4 annas per cubic foot. The timber is now forwarded to Cawnpoor at an additional outlay of 8 annas, making the total cost of transit 12 annas. The timber realizes Rs. 1-8-0 per cubic foot at Cawnpoor, consequently the profits amount to 12 annas per cubic foot, instead of 4 annas. I would not, however, discontinue selling logs at the Sardah Depôt, as by so doing a check is kept on the demands made by the Nepalese for their timber. In almost every instance that has come under my observation, they have striven to under-sell this Department. This inclination ought, in my opinion, to be encouraged, for although the Forest Department does not realize any tangible benefit, the public generally, and Government in particular, do; the latter being the largest purchasers of Nepal timber.

One instance in particular connected with this subject occurred during the present working season, where a Timber Merchant was returning from Nepal with a party of sawyers, having found it impossible to export sawn timber except at a loss, owing to the high rates fixed by the Nepalese. He agreed to export 200 score of five-yard kurries from the Oudh forests, and pay at the rate of Rs. 15 per score. The result was that the Nepalese almost immediatly reduced their rate for the same scantling to Rs. 10-10-0 per score, and other scantling in the same proportion.

It is to be regretted that, owing to the cost of registering Establishments not having been sanctioned, I am unable to give any statistics of the quantity of timber exported from Nepal, and the rate paid by merchants by way of royalty. I would again urge the advisability of carrying out this arrangement, the cost of which will be trifling, when compared with the advantages gained.

A Timber Depôt has been established at Bareilly, where there is always a large demand for timber, and it has the advantage of being close to the Ram-Gunga, down which stream our surplus wood can be rafted to Cawnpoor at a cost of Rs. 0-2-6 per cubic foot. A rest-house is in course of construction, which will also answer as godowns for the Office tents &c.

VIII.—Future Income.

With a view of improving future income, I would strongly recommend the introduction, throughout the Forest, of direct collections of duty on miscellaneous produce, grazing dues, &c., in place of leasing, as is now generally adopted. The increase in revenue derived during the present year, as compared with that of 1865-66, is shown in the following Statement:—

Heads.	1st Division.		2nd Division.		3rd Division.		Total.	
	1865-66.	1866-67.	1865-66.	1866-67.	1865-66.	1866-67.	1865-66.	1866-67.
II. Miscellaneous Forest produce ...	4,850	1,000	11,862	15,421	3,500	3,500	20,212	21,921
V. Grazing leased for		3,000						
VI. Minor produce leased for		1,000						
	4,850	5,000	11,862	15,421	3,500	3,500	20,212	21,921

The above figures will not agree with the yearly statement of accounts for 1866-67, as some portion of the sums will not be realized in that year, but it will show that an increase of income under these headings has been obtained, and if properly developed, the amount ought, in my opinion, to be doubled within the next five years.

Under this head may be considered the present and future prospects of the bridge-of-boats established on the Sardah, at the Kulkan Timber Depôt.

The bridge was opened for traffic this year, on the 5th November, and the following Statement will show the income derived during the year:—

Monthly statement of Receipts from Kulkan bridge-of-boats for 1866-67, *and expenditure on maintenance.*

Months.		Receipts.			Expenditure.			Remarks.
								Rs. As P.
May	1866	543	15	9	148	3	3	To the 4,735 11 7
June	,,	345	7	..	284	9	11	should be added for the crossing 422 Govt. logs at 1-0 each ... 422-0-0
July	,,	294	4	8	203	4	9	5,157 11 7
August	,,	26	7	...	194	8	9	Deducting Expenses 3,300 3 4
September	,,	29	6	11	176	4	...	leaves a balance of 1,857 8 8
October	,,	102	...	1	397	2	5	
November	,,	177	15	4	292	11	11	
December	,,	349	12	1	* 920	4	8	* Of this Rs. 666-10-8 is ½ year's compensation to Ferry holder.
January	1867	503	13	3	305	11	2	
February	,,	939	6	6	194	10	6	
March	,,	1,423	3	..	182	12	.	Income for March will be credited in Treasury Account for April, 1867.
Total Rs.	...	4,735	11	7	3,300	3	4	

The principal exports from Nepal that cross the bridge are rice and timber, but owing to Maharajah Jung Bahadoor's visit to Kunchunpoor, for the purpose of shooting and catching wild Elephants during the past cold season, all felling of timber was prohibited by the Nepal authorities till after Jung Bahadoor had left the Forests, and the same restriction was placed on the export of rice, consequently the principal source from which the bridge derives its revenue, was, for many months, cut off, and this will account for the difference between the estimate framed in Budget for 1866-67, Receipts IX, "Income from bridge-of-boats," as compared with actuals. The bridge, however, is a great success, both in a pecuniary and public convenience point of view, and if properly maintained, will result in large additional imports of rice from Nepal, the cultivators in that Province having hitherto found it impossible to dispose of all their produce owing to the difficulties experienced in crossing the Sardah. The cultivation of rice will, during the ensuing season, be carried on far in excess of what it has hitherto been, and as the whole of the traffic of Kunchunpoor is drawn to the bridge, it may be fairly presumed that the income from the latter will be very considerably enhanced from this circumstance. In the same manner, the Timber trade will be benefitted. Instead of merchants having to leave their timber on the left bank of the Sardah, till after the rains, as has hitherto been the custom, and then floating it over on rafts, thereby causing many months' delay before they can get their produce to market, the timber is now conveyed direct, and this circumstance alone will tend to the increase of this description of traffic, and consequently increase of bridge tolls. I would, however, strongly advise the construction of five additional boats to meet any contingency likely to happen, especially with reference to the alteration in the width of the river after the monsoons.

The construction of the roads already lined out on both sides of the river, all of which terminate at the bridge, will tend very materially to increase the traffic, and therefore, looking at the project only in a pecuniary point, it is necessary to provide against any possible obstruction to the traffic.

IX.—Establishment.

Below will be found the present sanctioned Establishment.

Sanctioned Forest Establishment.

Grade.	Salary.	Total.	Total of each Class.
	Rs.	Rs.	Rs.
1 Conservator	700	700	
1 Assistant Conservator	350	350	1,050
Office Establishment with Conservator ...	212	212	
Clerk in Office of Controller, P. W. Accts. ...	100	100	312
Forest Establishment.			
Sardah Ghât.			
1 Jemadar	10	10	
6 Chuprassies	5	30	
Khyree Ghât.			
1 Duffadar	8	8	
3 Chuprassies	6	18	
Mutarreea Ghât.			
1 Jemadar	10	10	
6 Chuprassies	5	30	106
Total Rs. ...	.....	.....	1,468

X.—Accounts.

In addition to the Statements which accompany this Report, I now add an additional Figured Statement as prescribed by Government, *viz.*:

1. A Stock account of quantities and value of timber and other Forest produce on hand at the commencement and close of the year, and receipts and issues during the year.

2. A Statement exhibiting the expenditure incurred on account of timber and Forest produce received into Stock during the year.

3. An Abstract shewing the amount realized on account of timber and Forest produce sales during the year, and on account of outstandings for previous year.

4. A Statement exhibiting the amount of outstanding advances to Contractors at the commencement of the year, the recoveries in cash and in work done, and the balance outstanding at the close of the year.

I.

FINANCIAL YEAR 1866-67.

A Stock Account of quantities and value of Timber and other Forest produce on hand at the commencement and close of the year, and Receipts and Issues during the year.

1st May, 1866.				During the Year.		1st April, 1867.			
NAMES.	Quantities.	Departmental value.			Receipts.	Issues.	Quantities.	Value.		
		Rs.	As.	P.				Rs.	As.	P.
Sál logs	2,383	53,652	7	11	626	699	2,310	6,920	9	8
Sál sleepers	4,286	14,458	8	0	0	3,767	519	1,557	0	0
Sissoo planks	92	184	0	0	0	0	92	184	0	0
Forest produce	0	0	0	0	0	0	0	0	0	0
								8,661	9	8

Memo.—80,000 C.ft. (1,600 Logs, @ 50 C. ft. per Log) are to be supplied from the Stock in hand to the N. W. P. Government, and for which this Department has been paid Rs. 1,20,000 @ Rs. 1-8-0 per C. ft. at Cawnpore.

See Statement at end of No. III., Timber Operations.

II.

FINANCIAL YEAR, 1866-67.

A Statement exhibiting the Expenditure incurred on account of Timber and Forest produce received into Stock during the year.

ITEMS.	Expenditure.			Total.		
A.	Rs.	A.	P.	Rs.	A.	P.
I. Timber operations	18,349	5	8			
II. Purchase of Elephants, &c	6,117	0	6			
III. Feed of Elephants	879	1	2			
IV. Rent of leased forests	0	0	0			
V. Charges connected with collecting Revenue on Grass, &c	1,399	8	8			
VI. Plantations	0	0	0			
VII. Forest Work, creeper cutting, &c	2,358	14	7			
VIII. „ Survey	137	5	0			
IX. Experiments on Timber	0	0	0			
X. Communications and Buildings	8,760	0	8			
				38,001	14	3
B.	Rs.	A.	P.	Rs.	A.	P.
I. Establishment	16,539	7	6			
II. Travelling allowance	1,985	10	7			
III. Contingencies	3,045	11	4	21,570	13	5
Grand Total				59,572	11	8

III.

FINANCIAL YEAR, 1866-67.

An Abstract showing the amount realized on account of Timber and Forest produce sales during the year, and on account of Outstandings for previous year.

RECEIVED.					
	During the year.			For previous year.	Total.
Sâl logs	1,29,274	2	10		
„ sleepers	14,381	0	0		
Forest produce, including logs removed by purchasers, Bridge-of-boat collection, &c....	57,591	6	1		
	2,01,246	8	11		2,01,246-8-11

IV.

FINANCIAL YEAR, 1866-67

A Statement exhibiting the amount of Outstanding Advances to Contractors at the commencement of the year, the Recoveries in cash and in work done, and the Balance outstanding at the close of the year.

				Rs.	As.	P.
Balance outstanding on 30th April, 1866				28,208	9	0
Advanced in May	1866	470	11 10			
June	„	391	8 11			
July	„	204	7 9			
August	„	369	4 1			
September	„	1,105	9 5			
October	„	199	13 11			
November	„	436	6 5			
December	„	1,052	10 9			
January	1867	3,459	9 5			
February	„	4,596	8 0			
March	„	6,062	11 2			
				18,349	5	8
				46,557	14	8
Deduct Refunds				3,263	13	2
				43,294	1	6
„ Work realized at close of March, 1867				18,349	5	8
				24,944	11	10
Deduct bad debts (see last para. of V.—Financial Results, &c.)				1,393	8	8
Balance outstanding on 31st March, 1867				23,551	3	2

The following monthly and other papers are despatched from this Office.

MEMO.

To Secretary to Chief Commissioner, Oudh, D. P. W., Lucknow.

Form No. 21. Memo. of correspondence between Inspector General of Forests and this Office monthly.

To Nearest Treasury Officer, for Payment.

Form No. 5.	Establishment Bill	"Monthly."
6.	Travelling Allowance Bill	„
	Contingent charges	„

To Accountant General, Allahabad.

Form	21.	Application for Letter of credit	"Quarterly."
„	4.	Cash Balance on 1st of each month	"Monthly."
„	11.	Timber account	„
„	13.	Return of Stores	„
„	3.	Statement of unadjusted items	„
„	8.	Statement of Forest revenue	„
„	10.	Condensed Sale Statement	„
„	9.	Detailed „ „	„
„	7.	Abstract of Expenditure	„
„	14.	Summary of Expenditure	„
„	11.	Cash Account	„
„	12.	Unclassified Cash Account	„
„	13.	Acquittance Roll	„
		Summary of Revenue yearly	„
		„ „ Expenditure yearly	„
		Timber Account „	„
„	15.	Balance return of Cash and Stores	„
		Copy of Register of unadjusted items on 31st March	„
„	16.	Statement of Expenditure on Timber	„
„	17.	„ „ amount realized by Sales	„
„	18.	„ „ yield of different forest districts ...	„
„	19.	„ „ trees felled and forest work done ...	„
„	20.	„ „ valuation and forest Surveys made ...	„

F. READ,
Conservator of Forests.

April 20th, 1867.

Form No. 20.

Statement of monthly Receipts and Expenditure for the Financial Year 1866-67.

	1866 May.	1866 June.	1866 July.	1866 August.	1866 September.	1866 October.	1866 November.	1866 December.	1867 January.	1867 February.	1867 March.	Total.	Remarks.
Receipts.													
I.—Sale of timber brought to Depôt by Government Agency ...	16 10 8	1,986 8 6	.....	6,765 3 1	.....	12,348 0 0	.....	908 0 0	1.125 0 0	1,20,000 0 0	505 12 7	1,43,655 2 10	
II.—Sale of timber, &c., removed by purchasers	258 0 0	367 5 5	239 8 0	.....	.....	161 4 6	49 9 0	356 14 5	.....	1,146 8 11	10,116 11 1	12,695 13 4	
III.—Duty on Foreign timber	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
IV.—Permit fees and rent of jungles and privileges...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	852 6 8	852 6 8	
V.—Grazing dues... ...	294 12 0	51 0 0	567 0 0	.....	967 0 0	1,795 0 0	1,677 9 3	5,707 1 4	400 0 0	3,858 0 0	4,217 14 10	19,535 5 5	
VI.—Sale of fruits, babool pods and other minor Forest produce ...	55 0 0	172 8 0	1,413 1 5	.....	123 5 9	236 0 0	78 14 0	649 8 3	488 10 7	.....	901 13 3	4,119 0 3	
VII.—Sale of confiscated, drift and waif timber	.....	.....	.....	.....	.....	.....	127 0 0	.....	.....	.....	83 0 0	210 0 0	
VIII.—Fines & forfeitures.	.....	.....	.....	.....	.....	.....	.....	.....	239 5 0	.....	200 0 0	439 5 0	
IX.—Miscellaneous Receipts	.....	1 12 6	.....	1.250 9 6	.....	.....	.....	.....	2.408 15 1	.....	15,778 2 4	19,439 7 5	
Total Receipts ...	624 6 8	2,879 2 5	2,219 12 5	8,015 12 7	1,090 5 9	14,540 4 6	1,933 0 3	7,621 8 0	4.661 14 8	1,25,004 8 11	32,655 12 9	2,01,246 8 11	

Form No. 20—(*Continued*).

	1866 May.	1866 June.	1866 July.	1866 August.	1866 September.	1866 October.	1866 November.	1866 December.	1867 January.	1867 February.	1867 March.	Total.	Remarks.
A. Expenditure.													
Conservancy & Working.													
I.—Timber expenses, felling, cutting, carriage storing, &c. &c. ...	470 11 10	391 8 11	204 7 9	369 4 1	1,105 9 5	199 13 11	436 6 5	1,052 10 9	3,459 9 5	4,596 8 0	6,062 11 2	18,349 5 8	
II.—Purchase of Elephants, cattle, and dead stock, tools and plant ...	.....	.....	.....	.....	.....	.....	.....	25 0 0	92 0 6	.....	6,000 0 0	6,117 0 6	
III.—Feed and keep of Elephants	.....	.....	.....	.....	.....	78 6 10	163.15 0	170 14 3	131 13 9	161 10 11	172 4 5	879 1 2	
IV.—Rent of leased Forests &c. seigniorage, &c. &c.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
V.—Charges connected with collection of Revenue on grass &c.... ...	40 0 0	70 0 0	70 0 0	70 0 0	60 0 0	60 0 0	130 0 0	203 8 0	343 0 8	190 0 0	163 0 0	1,399 8 8	
VI.—Plantations	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
VII.—Forest work, viz. cutting of creepers, conservancy &c. ...	.....	6 0 0	.....	.....	.....	.....	259 5 1	140 0 0	260 9 0	987 8 3	705 8 0	2,358 14 7	
VIII.—Forest Survey, Topographical and Valuation Survey &c. ...	.....	.....	.....	.....	30 0 0	107 5 0	.....	.....	.....	.....	.....	137 5 0	
IX.—Experiments to test the value of timber of different kinds ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
X.—Communications, Buildings, and timber works &c.	481 10 3	486 13 8	253 10 9	289 10 9	469 4 0	740 11 11	982 2 9	1,597 3 7	1,266 14 8	993 5 2	1,198 9 2	8,760 0 8	
Total of Conservancy and Working ...	992 6 1	954 6 7	528 2 6	728 14 10	1,664 13 5	1,186 5 8	1,971 13 6	3,189 4 7	5,554 0 0	6,929 0 4	14,302 0 9	38,001 4 3	

B. Establishment.														
(*payment in 1866-67.*)														
I.—Salaries.														
1. Pay of Conservator ...	700 0 0	700 0 0	700 0 0	700 0 0	.....	.....	.....	.....	.....	3,500 0 0	1,400 0 9	7,700 0 0		
2. Executive Officer ...	350 0 0	350 0 0	350 0 0	350 0 0	.....	.....	.....	.....	.....	1,763 7 6	700 0 0	3,863 7 6		
3. Overseer ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	260 0 0	200 0 0	460 0 0		
4. Office Establishment...	212 0 0	212 0 0	212 0 0	212 0 0	.....	.....	.....	.....	.....	1,060 0 0	1,502 0 0	3,410 0 0		
5. Forest Conservancy ...	106 0 0	106 0 0	106 0 0	106 0 0	.....	.....	.....	.....	.....	530 0 0	212 0 0	1,166 0 0		
6. Timber Depôt & Work Establishment ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
7. Deputation and Special Allowances ...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....		
II.—Travelling Allowances, including both Travelling, Expenses and Tentage.														
1. Conservator	150 0 0	42 0 0	.....	.....	.....	.....	.....	.....	.....	648 0 0	354 0 0	1,194 0 0		
2. Executive Officer ...	100 0 0	.....	.....	.....	.....	.....	.....	.....	.....	.....	108 0 0	208 0 0		
3. Office Establishment...	84 12 9	49 7 0	24 12 9	24 12 9	.....	.....	.....	.....	.....	230 3 10	169 9 6	583 10 7		
III.—Contingencies.														
1. Stationery	2 13 0	2 12 0	1 7 0	0 12 0	2 6 0	2 2 6	1 2 0	1 12 0	7 13 0	8 13 0	7 6 6	42 3 0		
2. Office rent, carriage of tents & office records	86 8 0	30 0 0	30 0 0	30 0 0	40 10 0	30 0 0	216 15 0	138 8 0	100 0 0	50 0 0	12 8 0	795 1 0		
3. Pay of Police Guards .	40 0 0	20 0 0	20 0 0	20 0 0	20 0 0	20 0 0	20 0 0	20 0 0	20 0 0	20 0 0	20 0 0	240 0 0		
4. Sundries	47 0 7	1 13 3	88 2 0	59 11 9	51 8 11	249 4 2	21 11 8	776 11 1	529 8 10	97 9 3	45 5 10	1,968 7 4		
Total of Establishment.	1,879 2 4	1,514 0 3	1,532 5 9	1,503 1 6	114 8 11	301 6 8	292 12 8	936 15 1	657 5 10	8,108 1 7	4,730 13 10	21,570 13 5		
Total of Expenditure ...	2,871 8 5	2,468 6 10	2,060 8 3	2,232 3 4	1,779 6 4	1,487 12 4	2,264 10 2	4,126 3 8	6,211 5 10	15,037 1 11	19,032 14 7	59,572 1 8		

(Sd.) E. WOOD, *Captain,*

Officiating Conservator, Oudh Forests.

No. 21.

FOREST DEPARTMENT, OUDH.

Annual Summary of Revenue and Expenditure in the different Divisions during 1866-67.

CLASSIFICATION.	1st or Kyreeghur,	2nd or Baraich.	3rd or Gonda.	Total.
Receipts.	Rs. A. P	Rs. A. P	Rs. A. P.	Rs. A. P.
I.—Sale of Timber at Depôts	1,43,655 2 10	.....	.....	1,43,655 2 10
II.— „ „ removed by purchasers ...	9,126 0 9	2,275 10 7	1,294 2 0	12,695 13 4
III.—Duty on Foreign Timber	.....	.....	.....	.....
IV.—Permit fees	.....	.....	.. ..	52
V.—Grazing Dues...	4,850 0 0	13,314 0 1	1,371 5 4	19,535 5 5
VI.—Sale of fruits &c.	226 9 3	3,101 3 0	968 0 0	*4,419 0 3
VII.— „ „ confiscated Timber ...	.....	127 0 0	.....	*210 0 0
VIII.—Fines and forfeitures	.....	439 5 0	.....	439 5 0
IX.—Miscellaneous	7,570 5 0	.....	.....	*19,439 7 5
Total Receipts ...	1,65,428 1 10	19,260 2 8	3,633 7 4	2,01,246 8 11
Conservancy and Working.				
I.—Timber expenses	18,349 5 8	.....	.....	18,349 5 8
II.—Purchases of Stock and Cattle	2,039 0 2	2,039 0 2	2,039 0 2	6,117 0 6
III.—Feed and keep of Cattle	293 0 5	293 0 5	293 0 4	879 1 2
IV.—Rent of leased Forests...	.....	.....	.....	.....
V.—Charges in collecting Revenue on grass, &c. + Rs. 180 Temporary Establishment	507 3 8	496 3 0	396 2 0	1,089 8 8 310 0 0
VI.—Plantations	.....	.....	.....	.....
VII.—Forest work	1,358 14 7	500 0 0	500 0 0	2,358 14 7
VIII.— „ Survey	137 5 0	.....	.....	137 5 0
IX.—Experiments on Timber	.....	.....	.....	.....
X.—Communications and Buildings ...	8,760 0 8	.....	.....	8,760 0 8
Total Conservancy and Working ...	31,441 14 2	3,328 3 7	3,228 2 6	38,001 4 3
Establishment.				
I.—Salaries	8,917 5 4	1,463 5 4	5,080 12 10	*16,539 7 6
II.—Allowances	1,388 8 11	194 8 10	402 8 10	1,985 10 7
III.—Contingencies	1,015 3 9	1,015 3 9	1,015 3 9	3,045 11 3
Total Establishment ...	11,321 2 0	2,673 1 11	6,498 9 5	21,570 13 4
Grand Total Expenditure ...	42,766 0 2	6,001 5 6	9,726 11 11	59,572 3 7

(Sd) E. WOOD, *Captain,*
Offg. Conservator, Oudh Forests.

* In these sums are included items omitted to be adjusted in 1865-66.

No. 22.

FOREST DEPARTMENT, OUDH.

DR. *Annual Abstract Account of the Cash transactions of the Forest Department in the year* 1866-67. CR.

YEAR.	HEAD OF ACCOUNT.	Rs.	As.	P.	YEAR.	HEAD OF ACCOUNT.	Rs.	As.	P.
	To Cash Balance in hand on 1st May 1866	17,701	4	1		By expenditure of the Department	59,572	1	8
	„ Revenue received	2,01,246	8	11		„ Remittances to State Treasuries	1,91,249	0	8
	„ Remittances from State Treasuries	65,999	4	10		„ Repayments of Deposits	0	0	0
	„ Deposits	.....				„ Advances made	10,195	11	9
	„ Income Tax	5	4	0		„ Refunds of Revenue	0	0	0
	„ Advances recovered	666	10	8		„ Public Works Department	5	4	0
	„ Public Works Department	1,278	0	0		„ Cash Balance in hand on 31st March 1867 ...	25,871	14	5
	Total Rupees ..	2,86,897	0	6		Total Rupees ...	2,86,897	0	6

No. 23.

FOREST DEPARTMENT, OUDH.

Annual Statement of Outstandings and Liabilities of the Department on account of Contractors and Disbursers during 1866-67.

Division.	Department Debtor.			Department Creditor.			Balance Due.	
	At commencement of year.	Recoveries in cash, and value of supplies and work done during year.	At close of year.	At commencement of year.	Payments made during year.	At close of year.	To Department (Outstandings.)	By Department (Liabilities.)
	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.	Rs. As. P.
1st or Kyreeghur	... ...	... ...	... ...	28,208 9 0	*4,659 2 4	23,549 6 8	23,549 6 8	
2nd or Baraich	... ...	... ...	... ...	... ...	500 0 0	500 0 0	† 500 0 0	
3rd or Gondah	... ...	... ...	... ...	... ...	500 0 0	500 0 0	† 500 0 0	
							24,549 6 8	

* In this sum Rs. 1,393-8-8 bad debts have been included.

† Advance for cutting creepers. Progress will be shewn this year, though charged in last.

(Sd.) E. WOOD, *Captain,*
Offg. Conservator, Oudh Forests.

No. 24.

FOREST DEPARTMENT, OUDH.

Statement of Timber brought to Depôts from the different Forest Divisions during 1866-67.

Name of River or Division.	Forest.	Description of Timber.	Pieces.	Cubic feet.	Total of each River.		Remarks.
					Pieces.	Cubic feet.	
1st or Kyreeghur Division ...	Kyreeghur.	Sál.	626 @ 50 c. feet.	31,300	626	31,300	

(Sd.) E. WOOD, *Captain,*
Offg. Conservator, Oudh Forests.

No. 25A.

FOREST DEPARTMENT, OUDH.

Annual Timber Account for 1866-67.

Particulars.	Pieces.	Total.	Particulars.	Pieces.	Total.
	Sâl logs.			Sâl logs.	
I.—Stock in hand at the following Depôts at the commencement of the year :—			I.—Timber removed by purchasers from Depôts	699	699
			II.—Timber lost		
Kulkan Ghât	1872		III.—Stock in hand at the close of the year at the following Depôts :—		
Dhuna	24		Sarda Depôt, Kulkan	597	
Ghutteea	219		Khujooreea	49	
Khujooreea	268	2,383	Bareilly	434	
			Shahjehanpoor	550	
II.—Timbers received at Depôts from the Forests	626	626	Cawnpoor	160	
			Koorya (Kunhut Depôt)	520	2,310
Total Pieces ...		3,009	Total Pieces .	.....	3,009

(Sd.) E. WOOD, *Captain,*
Offg. Conservator, Oudh Forests.

No. 25B.

FOREST DEPARTMENT, OUDH.

Annual Timber Account for 1866-67.

Particulars.	Pieces.	Total.	Particulars.	Pieces.	Total.
	Sal Sleepers.			Sal Sleepers.	
I.—Stock in hand at the following Depôts at the commencement of the year:—			I.—Timber removed by purchasers from Depôts	3,767	3,767
			II.—Timber lost		
			III.—Stock in hand at the close of the year at the following Depôts:—		
Kulkan Ghat, Sardah Depôt	230				
Kooria ... „	179		Cawnpoor Depôt	210	
Cawnpoor „	3,510		Koorya do	38	
Roodpoor village	16		Moojha village	21	
Poorunpoor „	22		Roodpoor „	16	
Bhisasoor „	16		Peepuria „	4	
Peepuria „	8		Kulkan Depôt	218	
Pipra „	3		Sheerpoor village (with Kurmoolla Khan)	12	519
Goongchaee road	12				
Moojha	21	4,286			
II.—Timber received at Depôt from the Forests ...					
Total Pieces ...		4,286	Total Pieces ...		4,286

(Sd.) E. WOOD, *Captain,*
Offg. Conservator, Oudh Forests.

No. 25C.

FOREST DEPARTMENT, OUDH.

Annual Timber Account for 1866-67.

Particulars.	Pieces.	Total.	Particulars.	Pieces.	Total.
	Sisso Planks.				
I.—Stock in hand at the following Depôt at the commencement of the year :—			I.—Timber removed by purchasers from Depôts...		
			II.—Timber lost.		
			III.—Stock in hand at the close of the year at the following Depôts :—		
Bareilly Depôt	92	...			
			Bareilly Depôt	92	92
II.—Timber received at Depôts from the Forest ...					
Total Pieces ...	...	92	Total Pieces ...		92

(Sd.) E. WOOD, *Captain,*

Offg. Conservator, Oudh Forests.

No. 26.

FOREST DEPARTMENT, OUDH.

Statement shewing the amount realized on account of the different classes of Timber sold during 1866-67.

Divisions.	Number of Logs sold.	Cubical contents.	Amount realized and due on account of Timber sold.			Average amount per Log.			Average cubical contents. of Logs.	Average amount per 100 cubic feet.		
		cubic feet.	Rs.	A.	P.	Rs.	A.	P.	cubic feet.	Rs.	A.	P.
1st or Kyreeghur Division ...	*699											
(Sarda Depôt) Sâl logs ...	343	18,081	9,257	8	2	26	15	6	52·7	51	3	2
Advanced for Sâl logs (Cawnpoor) about	1600	80,000	1,20,000	0	0	75	0	0	50	150	0	0
(Sarda and Cawnpore) Sâl sleepers	3767	18,835	14,381	0	0	3	13	1	5	76	5	8
Total ...		1,16,916	1,43,638	8	2					122	0	0
	Deduct amount due but not realized during the year...		0	0	0							
	Balance		0	0	0							
	Add amount realized on account of former year ...		16	10	8							
	Total shewn as Revenue on account of timber sales...		1,43,638	8	2							

Remarks.	Pieces.
Timber sold in previous years remaining unremoved at the commencement of the year	356
Timber sold during the year	1,943
Total ...	2,299
Timber remaining unremoved at the close of the year	1,600
Balance removed from Depôts by purchasers during the year ...	699

* Of these 356 were given to the North-Western Government, to complete the 20,000 cubic feet for which it paid last year Rs. 10,000.

† 1,20,000 Rupees have been Received this year for 80,000 cubic feet delivered at Cawnpoor. Timber is in transit.

(Sd.) E. WOOD, *Captain,*
Offg. Conservator, Oudh Forests.

No. 27.

FOREST DEPARTMENT, OUDH.

Statement shewing the amount expended on account of Timber received from the different Forest Divisions during 1866-67.

Name of Division.	No. of Logs.	Cubical contents.	Timber expenses.			Conservancy expenses, cost of Establishment, &c., of the Dept. excluding Direction.	Total amount expended excluding Direction.			Average amount paid per Log.			Average cubical contents per Log.	Average amount paid per 100 cubic feet			Remarks.
		Cubic feet.	Rs.	A.	P.	Rs.	Rs.	A.	P.	Rs.	A.	P.	Cubic feet.	Rs.	A.	P.	
Total...																	Abstract rate per 100 cubic feet. 1866-67. 1865-66.
Add Direction charges ..																	Timber expenses, Conservancy and Establishment Direction.
Grand Total ...																	Total ...

This account cannot be made up, as only 626 logs were brought into stock; most of the expense has been incurred in moving logs from the Sardah Depôts to Koorya (Kunhaut Depôts) Shahjehanpoor and Bareilly.

(Sd.) E. WOOD, *Captain,*
Offg. Conservator, Oudh Forests.

No. 28.

FOREST DEPARTMENT, OUDH.

Annual Account of Forest Revenue for the year 1866-67.

	Rs.	A.	P.
Receipts	1,87,963	11	10
Expenditure	58,852	1	7
Surplus	1,29,111	10	3
Subtract difference between assets and liabilities at the commencement and close of the year	63,847	7	1
Net Reserve	65,264	3	2

Note.—Besides the above sums which show the actual transactions on timber brought into the Depôts, the value of timber in various states in the forests and in transit may be approximately estimated at, say 6,000 logs, at Rs. 10 each = Rs. 60,000.

Detail of difference between assets and liabilities at the commencement and close of the year.

	At the commencement of the year.	At the close of the year.	Difference.	
			In favor of the year.	Against the year.
	Rs. As. P.	Rs. As. P.	Rs.	Rs. As. P.
Value of Timber and other Stock	68,294 15 11	A 15,000 0 0 B 2,012 1 6 C 184 0 0		
Outstanding on account of sales, and excess payment to Contractors ...	28,208 9 0	23,549 6 8		
Total Assets ..	96,503 8 11	41,645 8 2		
Deduct Liabilities ...	.....	8,989 6 4		
Balance ...	96,503 8 11	32,656 1 10		63,847 7 1

A. Logs } At 8 As. per c. ft.
B. Sleepers } " 3 " " "
C. Sissoo Planks } " 2 " " "

(Sd.) E. WOOD, *Captain,*
Offg. Conservator, Oudh Forests.

ORDERS OF THE GOVERNMENT OF INDIA.

No. 38 F, dated 22nd January, 1868.

From—Colonel C. H. Dickens, R. A., *Secy. to the Govt. of India, P. W. Dept.,*

To—*Chief Commissioner of Oudh.*

I am directed to acknowledge the receipt of your letter No. 1710, dated 3rd October 1867, forwarding the Annual Progress Report of the Forest Department in Oudh for 1866-67, and to communicate the following observations and orders.

2. The Report gives evidence of progress in the year under review; nevertheless, much remains to be done before the management of the Oudh Forests can be said to have been placed upon a safe and satisfactory footing.

3. In your review of the Report it is said that the whole of the forests under charge of the Conservator are strictly reserved. This term appears hardly applicable as long as the inhabitants of the villages in, or within 3 miles of the forests, may cut as much timber, not of the reserved kinds, as they like for domestic and farming purposes. This was acknowledged in your letter No. 954 of the 2nd July last, in para. 6 of which the hope was expressed that, ere long, the Oudh Forests may become strictly reserved.

4. I am directed to observe that the Government of India has full confidence that the measures discussed in Public Works Department letters Nos. 219 F, dated 21st June, and 264 F, dated 23rd July, will in due time be carried out, but it appears expedient in a public record of the operations of the Department not to admit any expressions that might give rise to misapprehension.

5. In Section VI of the Report which relates to "future conservancy," Mr. Read remarks that certain forest lands south of the Sardah River, in the Mohumdee District, which had been sold as waste lands, are likely to revert to Government, and recommends that such lands, if well stocked with timber, should not again be advertised for sale, but should be retained as fuel reserves, and should be managed by the Forest Department. And you observe that the question has been reserved for further report and consideration during the next working season. It is, however, doubtful whether the Oudh and Rohilkund Railways will ever be worked with wood-fuel, but at all events the demand for fuel is certain to increase considerably, and I am directed to request that progress in this matter may be reported to the Government of India.

6. In Section I of the Report relating to "Surveys," and in Section I of your Review, it is said that the boundaries of the forests in the first and second Divisions have been re-demarcated, and that the limits have been extended so as to embrace the enclosed grassy plains and bordering tracts of waste up to the new boundaries of villages. This is satisfactory. I am to request that a statement may now be prepared, showing the area of the different tracts of Reserved Forest, as finally demarcated, with a short description of each tract. This statement might be appended to next year's Report.

7. Under Section II, the Report of progress made in destroying creepers in the Sál Forests is likewise satisfactory. Altogether 58,023 acres, or 92 square miles, have now been cleared, at an average expense of Rs. 112-8 per square mile. This is much less than the rate given in the Report for 1865-66, which was 4 annas per acre, or Rs. 160 per square mile. The rate in 1866-67, taken by itself, was still less, *viz.*, Rs. 36-14 per square mile. The total area of Sál Forest is stated to cover 183,074 acres, or 295 square miles.

8. It is believed that, when the whole of the eastern tracts shall have been cleared, the rate will be found to be not much more than the estimate of 1863, or Rs. 20 per square mile.

9. Steady progress in these operations is important, and I am directed to request that careful observations may be taken as to the re-production of the creepers.

10. From Section III, relating to "timber operations," it appears that no trees were felled during the period under review, and that of 6,296 logs remaining in the forests on the 1st May 1866, 737 were removed during the year, and 5,559 remained in the forests. This is satisfactory, but great diligence should now be used to remove the remaining timber as speedily as possible; it is difficult to understand how it can be protected from fire if left scattered in the forests, and though it may be supposed that all the timber is barked, there may nevertheless be some risk from injury by insects.

11. As soon as sufficient establishment is available, felling operations on a systematic plan, so as to secure the re-production of the forest, should be commenced, at first on a limited scale, and should then be carried on steadily every year, until the best method of arranging felling operations has been determined by experience. For it should be remembered that, in forests like a considerable portion of those in Oudh, which are fairly stocked with mature trees, no useful object is gained by leaving them in their present state. A portion should be cut every year, care being taken to secure the ground being re-stocked with seedlings before the last trees of the old stock are removed. Thus a regular succession of forest tracts stocked with trees of different ages will ultimately be obtained. This is the object that should steadily be kept in view; in one block of forest there should be equal areas covered with forest of the different stages of growth, one compartment being stocked with young, another with mature trees, and a number of compartments with trees of the intermediate ages.

12. I am to add that, as soon as the Conservator thinks that everything is prepared for re-commencing felling operations, he should transmit detailed proposals to the Inspector General of Forests, with the needful maps and plans; felling operations should not be commenced without that Officer's approval to the plan proposed.

13. I am also directed to state that no fresh timber should be felled in the Government Forests except by the agency of the Forest Department. In connexion with this, I am to state that it has been observed from your Review, that 650 trees were felled and removed by purchasers. It is believed that this is the timber mentioned on page 8, and in the Statement on page 4 of the Report, but it is not anywhere stated whether they were green or dead trees.

14. In Section VIII of the Report, the great increase of revenue from grazing dues and minor forest produce is adverted to, and a further increase is expected. This is so far satisfactory, but I am to request that no arrangements may be entered into which would tie the Conservator's hands in this respect, for he should be at liberty, whenever he deemed it necessary for improving the growth of the forest, to close certain tracts against the ingress of cattle.

15. During the year under review, the greater part of the timber was sold at Cawnpoor, and a small portion only at the depôt on the Sardah River. Though the expenses of carrying the timber were larger, yet the price realized increased at a higher rate, and consequently the revenue has risen considerably. It remains to be seen whether it will always be convenient for the Forest Department to carry the timber for sale to Cawnpoor. It may, perhaps, hereafter be found preferable to establish a depôt half-way at the point where water-carriage ceases, and land-carriage to Cawnpoor commences.

16. I am directed to invite your attention to paras. 35 and 45 to 47 of Dr. Brandis's Report on the Oudh Forests of 23rd June 1863, where the advantages of establishing a depôt on the Kunhout Nuddee are explained, and

to state that this project might be kept in view, but meanwhile the experiment of having a depôt at Cawnpoor should have a fair trial.

17. At page 9 of the Report, Mr. Read refers to a depôt at Bareilly, and states that a rest-house is also in course of construction at that Station, which will also answer as godowns for the Office tents, &c. This will hardly be necessary when the present practice ceases of making Nynee Tal the head-quarters of the Conservator during the hot and rainy season. It is likely therefore that Bareilly will not long retain its present importance for the Oudh Forest Department. Moreover, the land-carriage for timber from the Sardah River to Bareilly, *vid* Philibeet, is 60 miles, whereas to the Kunhout Nuddee, *en route* to Cawnpoor, the distance is only 25 miles. The route to Cawnpoor, *vid* Bareilly and the Ramgunga River, is not therefore likely to be preferred to the more direct route *vid* the Kunhout Nuddee.

18. I am directed to recommend for your careful consideration, the question where the timber should be collected for sale, as on the solution of this question will mainly depend the arrangement of the projected system of roads intended to be constructed to facilitate the export of timber from the Oudh Forests.

19. The financial results of the year under review are unusually favourable :—

	Rs.
Receipts	2,01,247
Charges	59,572
Cash surplus ...	1,41,674

But the receipts include a sum of Rs. 1,20,000 paid for 80,000 cubic feet of timber that had not been delivered by the close of the year, and on account of the carriage of which, Rs. 8,989 remained to be paid.

20. The value of stock in hand at the close of the year amounted to Rs. 17,641.* At the commencement of the year, the stock of timber was valued at Rs. 68,295. Deducting the above amount, and the decrease in the value of stock, as well as the decrease in the outstandings due by Contractors (Rs. 28,208, less Rs. 23,551 = Rs. 4,657), the net revenue due to the year under review will stand as follows :—

* 646 logs, value ... ... Rs. 15,900
Sleepers 1,557
Sissoo planks 184
Total ... 17,641

	Rs.	Rs.
Cash surplus		1,41,764
Deduct liabilities—		
1st.—For carriage of timber sold ...	8,989	
2nd.—Decrease value of stock ...	50,654	
3rd.—Decrease outstandings ...	4,657	64,300
		77,374

These figures appear to be right, but they do not correspond with the results entered on Statement No. 28 (Annual Account of Forest Revenue) ; the data on which this Statement is based are entirely at variance with the figures entered in the Report.

21. On page 6, a valuable Statement is given, exhibiting the cash results of the past 5½ years of forest management in Oudh, from 1st October 1861 to 31st March 1867. It appears to be carefully drawn up, and the result is a cash surplus at the end of this period of Rs. 1,95,000 in round numbers.

22. Comparing the figures of this Statement with the results arrived at by Dr. Cleghorn in his Memorandum on the Forest Report of 1865-66, the following discrepancies appear, which should, if possible, be reconciled :—

		Dr. Cleghorn.	Report, 1866-67.
		Rs.	Rs.
Transaction to 30th April 1866	Receipts	3,35,194	2,92,912
	Charges	2,97,760	2,38,793
Cash surplus, 30th April 1866		37,734	54,119
„ „ of 1866-67		1,41,674	1,41,674
	Total ...	1,79,408	1,95,793

23. The outstandings by Contractors at the close of 1866-67 are still heavy and out of proportion to the value of the transactions. The losses reported on page 7 of the Report on account of balances due by Contractors not forthcoming, or by pauper Contractors, are, it is true, not considerable (Rs. 1,393); but the system is unsatisfactory, and should as soon as possible be modified.

24. It remains now to notice a few formal matters.

25. Future Reports should not only be divided into sections, but have also paragraphs with running numbers.

26. No less than 16 Figured Statments accompany the Report, besides a number of Statements in the body of the Report. The Standing Orders require only 8 Statements* to illustrate the annual transactions of the Department, and some of these are only suggested, and may be adapted to the requirements of Oudh, so as to give the information requisite on timber and cash transactions in as compact and clear a manner as possible.

* Forms Nos. 21 to 28 of the Forest Account Rules.

27. The results of the Statement inserted on page 5 (cash transactions of the year), appear in a complete and useful manner in Form No. 21. Form No. 20 gives the same information month by month; this is not necessary. The contents of Statements marked I to IV may be shown in the forms prescribed. Form No. 25 is divided into 3 Statements, which is unnecessary.

28. I am also directed to notice that the list of sanctioned establishment at page 11, includes a Clerk in the Office of Controller, Public Works Accounts, whose employment was only sanctioned as a temporary measure, and who is not now on the sanctioned scale.